FIG. 1

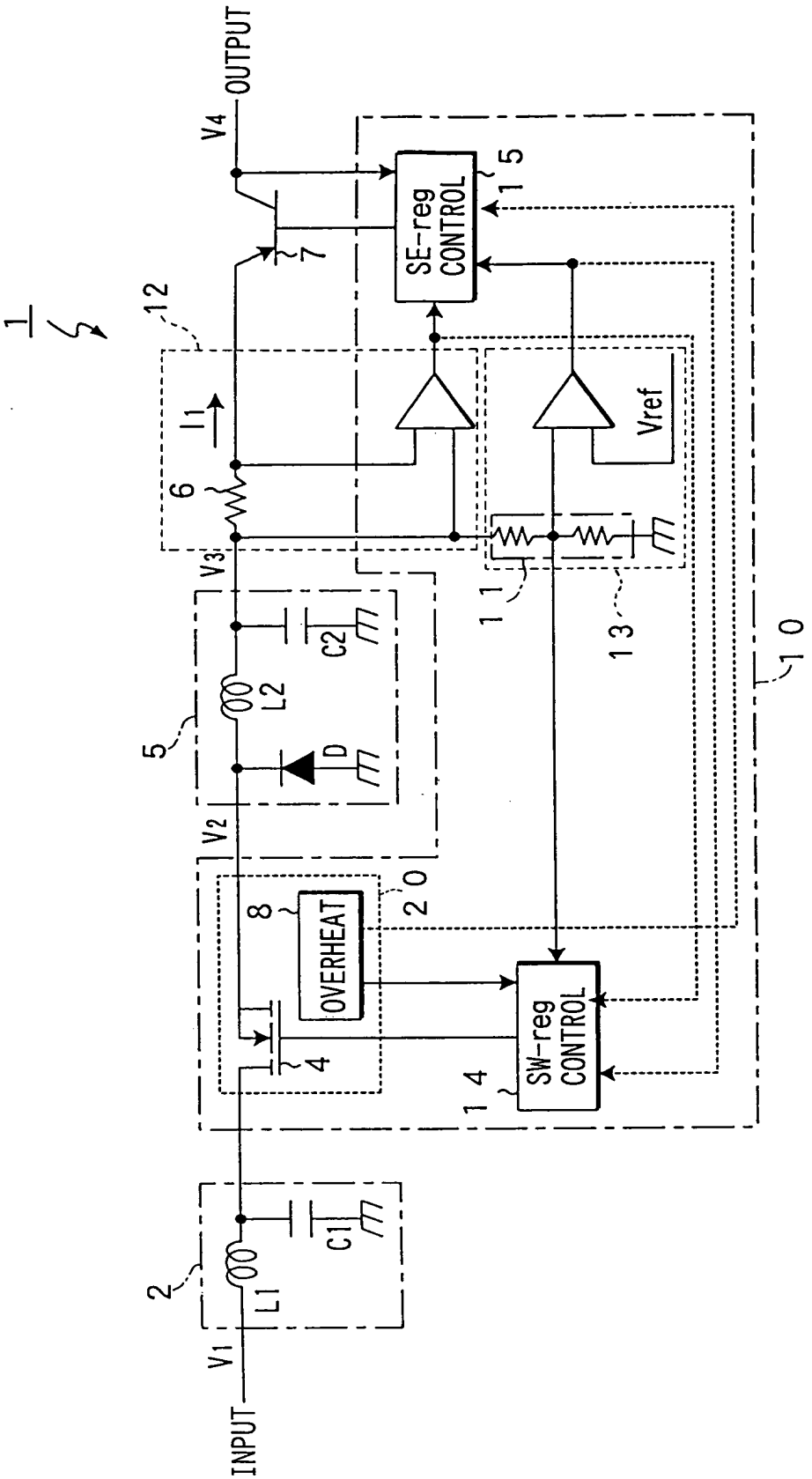
1
INPUT
V1
L1
C1
2
V2
D
L2
C2
5
V3
6
I1
12
V4
OUTPUT
7
SE-reg CONTROL
15
Vref
11
13
10
8
OVERHEAT
20
4
SW-reg CONTROL
14

FIG. 2

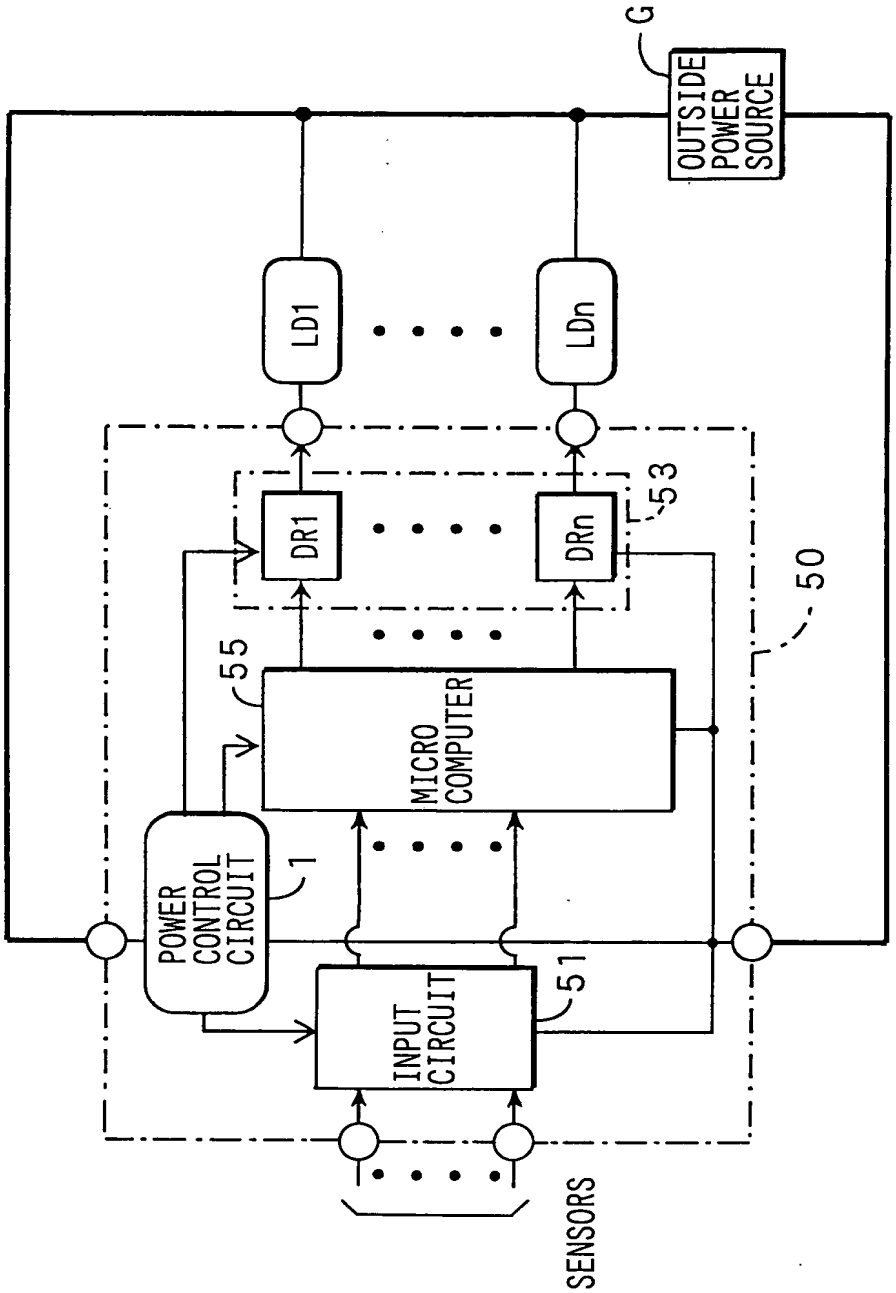
G
OUTSIDE POWER SOURCE
LD1
LDn
DR1
DRn
53
50
55
MICRO COMPUTER
POWER CONTROL CIRCUIT
1
INPUT CIRCUIT
51
SENSORS

FIG. 3A

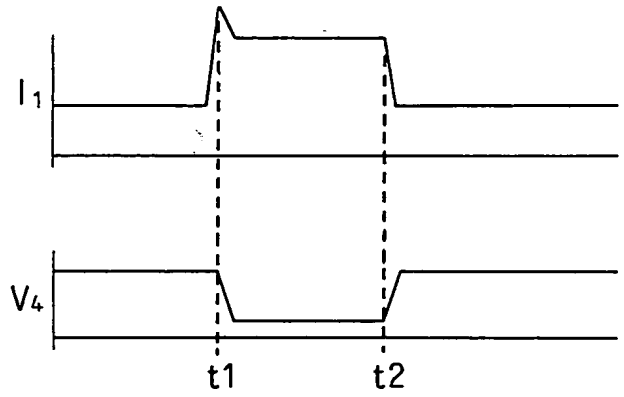

FIG. 3B

FIG. 4A

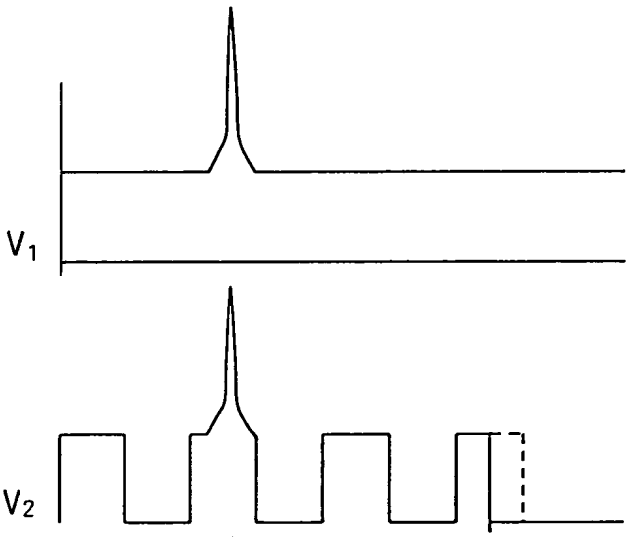

FIG. 4B

FIG. 4C

FIG. 4D

FIG. 4E

FIG. 4F